

CHELMSFORD
RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER of HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

(Barrister-at-Law)

FOR

1948.

SOUTHEND :

W. H. Houldershaw, Ltd., Printers, 49-55, London Road,

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LONDON ROAD,
CHELMSFORD.

30th June, 1949.

To the Chairman and Members of the Chelmsford Rural District Council.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present for your consideration the Annual Report on the health and sanitary circumstances of your District during the year 1948.

The Death Rate for the year per 1,000 population was 9.6 compared with 11.6 for 1947, and the Birth Rate was 18.8 compared with 21.4 for the previous year.

The number of cases of infectious diseases was not above the average.

On 31st May, 1949, Mr. H. H. Gowers, Clerk to the Council for 19 years, ended his 49 years service with the Council. During the last 35 years of his service I was a colleague of his and throughout that period received from him helpful co-operation.

May I record my appreciation of his willing advice and assistance during our happy association.

To my colleagues I am much indebted for valuable assistance, and to Mr. Denton Ogden for helping in the preparation of this Report.

For the sympathetic consideration of the Council, I wish to express my thanks.

Your obedient servant,

JOHN F. MACDONALD.

STAFF.

Clerk to the Rural District Council : H. H. Gowers.

Deputy Clerk to the Rural District Council : C. R. Plumtree.

Financial Officer to the Rural District Council : M. W. Butcher.

PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health : John F. Macdonald, M.D., D.P.H.
(also Medical Officer of Health for the Rural Districts of Maldon and Rochford).

Clerk to Medical Officer of Health : W. D. Hall.

CHIEF SANITARY INSPECTOR'S DEPARTMENT.

*Chief Sanitary Inspector and Petroleum Inspector :**

A. Denton Ogden, M.B.E., F.R.San.I., F.S.I.A.

*Sanitary Inspectors :—**

T. H. C. Bartrop, M.R.San.I., M.S.I.A.,

L. W. Eckersley, M.R.San.I., M.S.I.A.

P. E. Kinton, M.R.San.I., M.S.I.A.

Clerk : F. B. Brewster.

Clerk : R. H. Hawkes.

*Qualified Inspectors of Meat and other Foods, Royal Sanitary Institute.

ENGINEER'S DEPARTMENT.

Engineer and Surveyor : W. E. Bunker, M.Inst., M. & CyE.
M.R.San.I.

Deputy Engineer and Surveyor : P. Dendy, A.M.I.Mun.E.,
M.R.S.I., A.M.Inst.H.E.

Assistant Engineer and Surveyor : D. C. Pinder.

HOUSING ESTATES DEPARTMENT.

Estates Surveyor : E. Ollett.

CHELMSFORD RURAL DISTRICT

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (acres) 86,590 (land and inland waters.)

Population (estimated, June
1948) 38,490

Population (estimated, Dec.
1948) 38,740

Population, 1931 (census) 27,836 (13,628 males; 14,208
females).

Number of families or
separate occupiers (1931) 7,441

Number of houses on 31st
December, 1948 ... 11,053

The rateable value of the district for the half-year commencing—
1st April, 1948, was £195,529
1st April, 1949, was £205,242

The sum represented by a penny rate, year ended
31st March, 1948 £803 10 10
31st March, 1949 £825 3 0

Social Conditions.

The chief occupation in the District is still agriculture. The male working population in this and associated occupations at the 1921 census was 45 per cent total male working population, and in 1931, 35 per cent. This latter figure is still a substantial proportion of the male working population. A number residing in the parishes adjacent to the Borough of Chelmsford are employed in industrial works in the borough.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR

			Total	Male	Female	
Live Births	{ Legitimate ...	692	361	331	} Birth-rate (R.G.) 18·8	
	{ Illegitimate ...	34	13	21		
Still Births	{ Legitimate ...	15	8	7	} Rate per 1,000 births	
	{ Illegitimate ...	—	—	—		
Deaths	... ..	371	196	175	Death-rate (R.G.) 9·6

Deaths from puerperal causes :—

From Puerperal and post-abortion sepsis	...	...	Nil
Other Maternal causes	...	...	2

Number of deaths of infants under 1 year of age :—

Males, 12. Females, 6

Death-rate of infants under 1 year of age :—

All infants per 1,000 live births	...	...	...	24·7
Legitimate infants per 1,000 legitimate live births	...	...	...	25·9
Illegitimate infants per 1,000 illegitimate live births	...	...	...	—

Deaths from Cancer (all ages)	...	...	...	81
Deaths from Measles (all ages)	...	...	...	Nil.
Deaths from Whooping Cough (all ages)	...	...	...	Nil.
Deaths from Diarrhoea (under 2 years of age)	...	...	...	Nil.

Comparative Table of Birth and Death Rates During the Year, 1948.

	Rate per 1,000 Resident Population		Deaths under One Year per 1,000 regis- tered Live Births
	Live Births	Deaths from all causes	
England and Wales	17.9	10.8	34
126 County Boroughs and Great Towns, including London ...	20.0	11.6	39
148 Smaller Towns with resident population of from 25,000 to 50,000 at 1931 Census... ..	19.2	10.7	32
Chelmsford Rural District ...	18.8	9.6	24

The deaths classified according to age were as follows:—

				Number of Deaths			
				Occurring in district	Of non- residents occurring in district	Of residents occurring outside district	Allotted to district
Under 1 year				7	—	11	18
1 and under 2				1	—	—	1
2 " " 5				3	—	3	6
5 " " 15				3	1	2	4
15 " " 25				6	5	2	3
25 " " 35				12	10	6	8
35 " " 45				13	6	4	11
45 " " 55				16	6	14	24
55 " " 65				42	21	26	47
65 " " 75				74	25	26	75
75 and over				152	58 28	50	174
Totals				329	102	144	371

Natural increase of population, namely, the excess in the number of live births over the number of deaths, since 1937 is shown in the following tabular statement.

Year	Number of Births		Deaths		Increase	
1937	...	460	...	370	...	90
1938	...	485	...	340	...	145
1939	...	497	...	357	...	140
1940	...	518	...	419	...	99
1941	...	478	...	416	...	62
1942	...	600	...	372	...	228
1943	...	584	...	387	...	197
1944	...	670	...	427	...	243
1945	...	586	...	358	...	228
1946	...	693	...	396	...	297
1947	...	770	...	428	...	342
1948	...	726	...	371	...	355

The following table classifies the deaths according to cause and sex—

Cause of Death	Males	Females	Total
Typhoid and Paratyphoid Fevers	—	—	—
Measles	—	—	—
Scarlet Fever	—	—	—
Whooping Cough	—	—	—
Diphtheria	—	—	—
Influenza	1	—	1
Ac. Poliomyelitis & Polioencephalitis	—	—	—
Acute Inf. Encephalitis	—	—	—
Cerebro Spinal Fever	1	—	1
Tuberculosis of respiratory system	5	1	6
Other tuberculosis	1	—	1
Syphilitic Diseases... ..	2	2	4
Cancer	50	31	81
Diabetes	—	1	1
Intra-cranial vascular lesions	23	30	55
Heart disease	34	42	76
Other circulatory diseases	14	7	21
Bronchitis	9	6	15
Pneumonia (all forms)	9	10	19
Other respiratory diseases	3	—	3
Ulcer of stomach and duodenum	1	1	2
Diarrhoea (under 2 years)	—	—	—
Appendicitis	—	—	—
Other digestive diseases	3	4	7
Nephritis	3	2	5
Puerperal and post Abortive Sepsis	—	—	—
Other Maternal Causes	—	2	2
Malformation, etc.	5	5	10
Premature Birth	6	1	7
Suicide	4	—	4
Road traffic accidents	3	1	4
Other violent causes	6	2	8
All other causes	13	27	40
TOTALS	196	175	371

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

The Rural District Council consists of 49 elected members and meets monthly. There are several Committees dealing with Public Health matters, which meets on the 2nd and 3rd Tuesday of each month. The Committees' reports are presented at the following Council Meeting—4th Tuesday in each month. The Minutes of the Council are printed and distributed to members.

LIST OF COMMITTEES.

General Purposes and Staffing.

Finance.

Buildings and Planning.

Public Health.

Housing.

Re-Housing.

Slum Clearance.

Estates Management.

Drainage and Water.

Rating and Valuation.

Fuel and Lighting Advisory.

Catering.

Community Centres.

The Council is represented on the :—

Chelmsford Area Assessment Committee.

Chelmsford Joint Sewerage Committee.

South-East Essex Superannuation Joint Committee.

Chelmsford Area Guardians Committee.

Road Safety Joint Committee.

Traffic Committee

Ministry of Labour Employment Committee.

Mid-Essex Regional Planning Committee.

Chelmsford and District Tuberculosis After Care Association.

Rural District Council's Association (Essex Branch).

Chelmsford and District Youth Committee.

Essex County Branch Rural District Councils Association.

Divisional Education Committee.

Midwives. None is subsidised by the District Council. There were 13 midwives and 1 district nurse practising in the district at the end of 1948. In addition two midwives were in private practice.

Laboratory Facilities.

These services are provided by the County Council and at St. John's Hospital, Chelmsford.

Hospitals.

These are now administered by Hospital Boards.

Maternity and Child Welfare is administered by the County Council.

Registered Nursing Homes. These are administered by the Essex County Council. There are 3 in the district.

Diabetic Treatment. This is now provided under the National Health Service Act, 1946.

British Restaurants. During the war, the District Council inaugurated two British Restaurants—one in Great Baddow and one in Writtle. These are still functioning and, during the last twelve months, provided the following meals:—

	Great Baddow	Writtle
Main meals supplied to the public ...	31,353	37,251
Main meals supplied to schools ...	77,199	31,243

Ambulance Facilities. As from 5th July, 1948 these are provided by the County Council.

Mortuaries. There is a mortuary for infectious cases at the Isolation Hospital, Great Baddow. A modern mortuary is available at St. John's Hospital, Chelmsford.

Clinics and Treatment Centres. These are provided by the Essex County Council as given in the following tabular statement :—

MATERNITY AND CHILD WELFARE CENTRES.

Centre	Address	Sessions (Monthly)
Roxwell	Village Hall, Boyton x Militia Camp	2nd Thursday, 2.30 p.m.
Highwood	Iron Room	3rd Wednesday, 2.30 p.m.
Good Easter	Village Hall	Last Thursday, 2.30 p.m. 2 p.m.—4 p.m.
Downham	Women's Institute Hall	1st Friday, 2 p.m.
Danbury	Village Hall	1st & 3rd Thursdays, 2 p.m.
Broomfield	Church Room	1st Thursday, 2 p.m. & 3rd Thursday. No Doctor.
Galleywood	Kecne Memorial Hall ...	3rd Tuesday, 2 p.m.— 4 p.m.
Writtle	Village Hall	4th Tuesday, 2.30 p.m.
Rettendon... ..	Village Hall	3rd Wednesday, 2 p.m.
Ingatestone	Workmen's Club	2nd and 4th Fridays, 2 p.m.
Great Baddow	Parish Hall	2nd and 4th Thursdays, 2 p.m.
Little Waltham... ..	Chapel School Room ...	1st Tuesday, 2 p.m.
Stock	Congregational Schoolroom	3rd Thursday, 2 p.m.
Woodham Ferrers	Congregational Schoolroom	2nd Monday, 2 p.m.
Boreham	Village Hall	2nd Tuesday, 2 p.m.
Boreham Aerodrome	Hut 16, Site 2	3rd Monday, 2 p.m. & 4th Monday, 2.30 p.m.

ANTE-NATAL CLINIC.

Chelmsford and Essex Hospital, London Road, Chelmsford, Tuesdays,
2.15 p.m.

Rettendon, Village Hall, 1st Wednesday, 10 a.m.

Women's Welfare Clinic, Special Clinic, New Writtle Street, Chelmsford,
2nd and 4th Thursdays, 10 a.m.

Boreham Aerodrome, Hut 16, Site 2, (Midwives Clinic), no Doctor, 4th
Tuesday, 2 p.m.

TUBERCULOSIS DISPENSARY.

Address :

Essex County Council Hospital
Broomfield, Chelmsford.

Hours of Session :

Mondays and Wednesdays,
10—12 noon.

VENEREAL DISEASES.

Treatment is available at the Chelmsford and Essex Hospital, London
Road, Chelmsford, and at Essex County Hospital, Colchester.

MINOR AILMENT CLINIC.

Coval Lane, Chelmsford, Monday and Friday mornings.

*OPHTHALMIC CLINIC.

Coval Lane, Chelmsford, 5, Market Road, Chelmsford.

DENTAL CLINIC.

5, Market Road, Chelmsford. Coval Lane, Chelmsford.

*CHILD GUIDANCE CLINIC.

"Highfields," London Road, Chelmsford.

*SPEECH CLINIC.

5, Market Road, Chelmsford.

* Children can be seen by appointment on application to the Divisional
School Medical Officer, Coval Lane, Chelmsford.

WATER SUPPLY.

By the end of 1948, a piped water supply under pressure was available throughout the District for 90.7 per cent of the houses and 82.5 per cent are supplied from the mains (5.4 per cent from communal standpipes).

There are 9.3 per cent of the houses in the District where a piped main water supply is not available. Details, classified according to parish, are given in the table on page 15.

If the proposed main extensions submitted to the Ministry of Health for approval are carried out, a further 4 per cent of the houses in the District will have a piped main water supply available. Details of the proposed extensions are given on pages 18 and 19.

The following table includes living huts on Government Airfields and Sites. The table does not include any new houses which may be occupied or in the course of erection but are not yet in the Valuation List.

The large number (441) of communal standpipes is due to the number of hutments.

Parish	Number of Houses and Hutments						Where Mains are not Available	
	Total	With Water Laid on	With Communal Standpipe	With Meter Supply				
				Domestic	Domestic and Trade	Trade		
Great Baddow SPA	1,517	1,469	—	19	13	40	}	42
” ” OSPA	389	301	7	5	17	29		33
Little Baddow	297	234	—	10	8	6	20	15
Boreham	427	229	80	4	4	17	20	20
Broomfield	552	484	—	3	—	6	11	11
Chignal	126	69	18	—	18	28	9	54
Danbury	773	661	38	13	3	8	80	40
Good Easter	120	74	—	—	17	41	56	10
East Hanningfield	125	89	—	1	9	2	29	8
South Hanningfield	428	335	7	5	13	25	8	45
West Hanningfield	203	85	—	1	17	—	6	10
Ingatstone	747	610	12	32	8	—	2	4
Great Leighs	340	104	106	2	1	3	—	2
Little Leighs	67	26	—	1	13	—	—	—
Margaretting	204	142	12	3	2	1	—	—
Mashbury	42	13	—	—	—	3	1	—
Mountnessing	271	173	—	—	—	22	30	10
Pleshey	79	34	—	7	13	7	51	34
Rettendon*	314	273	2	3	6	13	33	20
Roxwell	302	114	45	2	12	8	76	94
Runwell*	363	315	6	5	15	18	45	87
Sandon	248	198	—	—	17	28	84	—
Springfield	149	92	2	6	18	17	—	—
Stock	356	215	8	4	35	45	—	—
Great Waltham	584	320	17	2	18	28	—	—
Little Waltham	328	186	50	7	35	45	—	—
Woodham Ferrers	661	557	19	2	18	45	—	—
Writtle SPA	816	699	—	—	14	17	—	—
Writtle OSPA	225	116	12	—	—	—	—	—
TOTALS	11,053	8,217	441	137	331	945	1,029	1,029

* Transfer from Runwell to Rettendon from 1/10/48 (53 Houses).

* County of Essex (Alteration of Parish Boundaries) Order 1948.

Hutments included in the previous totals are :—

Boreham (Boreham Aerodrome)	80
Chignal (Bedells Cross)	3
Great Leighs (Boreham Aerodrome)	106
Roxwell (Roxwell Labour Camp)	11
(Boyton Cross Military Camp)	25
Little Waltham (Boreham Aerodrome)	50
Danbury (Giberacks Militia Camp)	38

During the year 326,217,000 gallons of water were supplied throughout the District, as shewn in the following table.

WATER CONSUMPTION (IN GALLONS) DURING 1948.

Area	Council's Waterworks	South Essex Waterworks Company	Southend Waterworks Company	Total
Great Baddow	—	58,958,000	—	58,958,000
Broomfield	—	—	—	—
Danbury	—	103,244,000	—	103,244,000
Ingatestone, Margaret- ting, Writtle and West Hanningfield...	—	54,727,000	—	54,727,000
Northern	—	89,390,000	—	89,390,000
Stock	—	5,646,000	—	5,646,000
Mountnessing	—	—	5,571,000	5,571,000
South Hanningfield	—	—	8,535,000	8,535,000
Woodham Ferrers	—	—	146,000	146,000
	—	311,965,000	14,252,000	326,217,000

From the above tabular statement it will be seen that of the water supplied by the Council, 95% was purchased from the South Essex Waterworks Company.

Properties Connected to the Water Mains during 1948.

	Existing Houses	New Houses	Domestic and Trade	Trade	Existing Houses on Domestic Supply to which Meters have been inserted	Special Charges	Total
Gt. Baddow ...	1	10	3	6	4	2	28
Little Baddow	—	2	3	—	1	—	5
Boreham ...	6	14	3	5	1	2	31
Broomfield ...	—	10	—	2	—	—	12
Chignal ...	3	2	—	—	—	—	5
Danbury ...	1	17	—	1	1	—	20
Good Easter ...	5	4	1	—	—	1	11
East Hanningfield	1	1	—	4	1	1	8
Sth. Hanningfield	1	3	2	2	1	1	10
West Hanningfield	1	10	—	—	1	—	12
Ingatestone & Fryerning	4	2	—	1	—	—	7
Great and Little Leighs ...	38	10	2	1	—	—	51
Margaretting ...	3	1	1	1	1	—	7
Mashbury ...	—	—	—	—	—	—	—
Mountnessing	—	—	—	—	—	—	—
Pleshey ...	1	—	1	—	—	—	2
Rettendon ...	1	6	1	8	—	—	16
Roxwell ...	9	9	—	—	1	1	19
Runwell ...	2	9	—	—	2	—	13
Sandon ...	4	—	—	2	—	—	6
Springfield ...	1	16	—	1	—	—	18
Stock ...	8	1	2	5	1	—	17
Great Waltham	8	15	1	—	1	—	25
Little Waltham	2	1	1	3	—	—	7
Woodham Ferrers	—	2	2	1	5	2	12
Writtle ...	11	12	1	—	—	—	24
	111	157	23	45	21	9	366

WATER MAIN EXTENSIONS

The comprehensive post-war scheme (as set out in 1947 report) prepared by the Engineer and Surveyor has been approved in principle by the Minister of Health excepting the following sections of the scheme which have been postponed for the time being :—

<i>Parish</i>	<i>Estimated Cost</i>	<i>Length of 4" Main in yds.</i>
Little Baddow ...	£1,350	1,323
Ingatestone ...	£1,220	1,507
Ingatestone ...	£480	657
Ingatestone ...	£1,480	1,887
Stock ...	£1,015	1,184
	£3,180	4,051

The total cost of the scheme is estimated at £44,212. The Ministry of Health is giving a grant of £20,000 towards the cost of the scheme, and the Essex County Council have provisionally agreed to contribute an annual payment equivalent to a capital grant of £14,737, which is one third of the total cost.

The Ministry did not however authorise the carrying out of the entire scheme at once and the position is as follows :—

First part of the programme, Contract let and work in progress with the following lengths completed.

<i>Parish</i>	<i>Length of Main 3 in and 4 in.</i>	<i>Contract No.</i>	<i>Material</i>
Boreham ...	982 yards	1	Iron
Great Leighs ...	686 „	1	Asbestos
Great Leighs ...	2,138 „	2	Iron
Great Waltham ...	3,729 „	3	Iron
Good Easter ...	2,726 „	4	Asbestos

Second part of the programme, Tenders to be invited and the work to be commenced during 1949.

<i>Parish</i>	<i>Length of Main</i>	<i>Contract No.</i>	<i>Material</i>
Stock ...	2,006 yards	7	Asbestos
Great Baddow ...	3,840 „	8	Iron
Roxwell ...	265 „	9	Iron
Writtle ...	2,856 „	9	Iron
Broomfield ...	1,935 „	10	Iron
Pleshey ...	620 „	11	Iron
Little Waltham ...	657 „	12	Asbestos
Roxwell ...	2,266 „	13	Iron

In addition to the Post War Scheme, a Supplementary Scheme of water mains extensions to supply a further 98 existing properties has been prepared and approved in principle by the Minister of Health.

<i>Parish</i>	<i>Length of Main</i>	<i>Contract No.</i>	<i>Material</i>
Sandon and Danbury	1,377 yards	16	Iron
West Hanningfield ...	536 „	16	Asbestos
Mashbury ...	2,326 „	16	Iron
Roxwell ...	2,238 „	16	Iron
Good Easter ...	2,195 „	16	Iron
Broomfield ...	1,100 „	16	Iron
Little Waltham ...	3,325 „	16	Iron

Water Main Renewals.

An extensive scheme of water main renewals is proposed to replace mains that are inadequate or corroded externally or internally, and need constant repair. No new supplies will be provided under this scheme, but more satisfactory supplies will thereby be given to many parts of the District, and there will be less interruption of supplies due to mains bursting, when these mains have been renewed.

Water main extensions carried out during the year are as follows :—

	<i>Length Yds.</i>	<i>Diameter</i>
Damases Lane, Boreham	982	4"
Gubbions Green Area, Great Leighs ...	983	3"
	1,155	4"
Dog and Gun Area, Great Leighs ...	686	4"
Good Easter—Tye Green to Hayrons Lane ...	995	4"
Round Roblets to Bar- rack Lane ...	127	3"
	1,604	4"
Back Lane, Ford End	362	3"
Felstead Road to Ben- netts Lane ...	974	3"
Ford End to North End	2,345	4"
	48	3"

	<i>Length Yds.</i>	<i>Diameter</i>	
Coleman Lane, Danbury	90	3"	
Runsell Green Lane, Danbury	67	3"	
Housing Estate Extensions.			
Boreham	104	3"	
Roxwell	102	3"	
Maltings Estate, Great Baddow	81	3"	
Danbury—Gay Bowers	372	3"	
Water Main Renewals.			
Rettendon Church Area	531	5"	
" " " " " "	314	6"	
West Hanningfield.			
Seamans Lane	353	1"	This extension has enabled 4 premises to have the water taken inside.

The District Council has certain statutory rights by which water can be procured from the mains of the Chelmsford Corporation (Chelmsford Corporation Water Act, 1923) Southend Waterworks Company (Southend Waterworks Act, 1924) and the South Essex Waterworks Company (South Essex Waterworks Act, 1928).

**PARTICULARS OF BURST WATER MAINS AND
SERVICES REPAIRED DURING 1948.**

<i>Parish</i>				<i>Burst Mains</i>	<i>Burst Services</i>
Great Baddow ... ..	...	...	...	11	21
Little Baddow ... ..	...	...	...	—	4
Boreham ... ..	...	...	...	2	2
Broomfield ... ..	...	...	...	1	5
Chignall ... ..	...	...	...	—	1
Danbury ... ..	...	...	...	3	15
Good Easter ... ..	...	...	...	—	1
East Hanningfield ... ..	...	...	...	11	4
South Hanningfield ... ..	...	...	...	1	1
West Hanningfield ... ..	...	...	...	8	2
Ingatestone and Fryerning ... ..	...	...	...	5	6
Great and Little Leighs ... ..	...	...	...	—	—
Margaretting ... ..	...	...	...	—	3
Mashbury ... ..	...	...	...	1	—
Mountnessing ... ..	...	...	...	—	—
Pleshey ... ..	...	...	...	—	—
Rettendon ... ..	...	...	...	8	13
Roxwell ... ..	...	...	...	1	1
Runwell ... ..	...	...	...	10	8
Sandon ... ..	...	...	...	7	2
Springfield ... ..	...	...	...	—	—
Stock ... ..	...	...	...	—	1
Great Waltham ... ..	...	...	...	2	1
Little Waltham ... ..	...	...	...	—	1
Woodham Ferrers ... ..	...	...	...	7	18
Writtle ... ..	...	...	...	3	8
				81	118

SOUTH ESSEX WATERWORKS COMPANY

RECENT ANALYSIS OF SAMPLES OF WATER PUMPED FROM
THE WORKS AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham	Layer-de-la-Haye
Appearance	Clear and bright	Clear and bright
Colour A.P.H.A.	4	7
Turbidity, silica scale	0.1	Nil
Odour	Very slight chlorinous	Nil
Taste	Nil	Nil
Electric Conductivity 20°C.	800	530
Total solids 180°C.	534	353
Reaction P.H.	7.5	7.7
"Free Chlorine"	0.35	0.25
Chlorides as Cl.	101	40
Total Oxidised Nitrogen	1.1	1.2
Nitrites as N	Nil	Nil
Hardness, Permanent	99	120
" Temporary	205	132
" Total	304	352
Free Ammonia	0.22	0.14
Albuminoid Ammonia	0.08	0.15
Oxygen absorbed 4hrs. 27°C.	0.34	0.91
Metals	Nil	Nil
Colony Count per m.l. on Agar 1 day at 37°C.	1	4
Ditto 3 days at 20°C.	1	14 (4 days)
Presumptive coli a count per 100 ml.	0	0
Bact. Coli a count per 100 mls.	0	0
Cl. Welchii Present in		100 ml.
Absent in	100 ml	10 ml.

The water leaving the two works is examined daily (except Sunday) bacteriologically and in every instance the Bact. Coli is absent in 100 ml. The Laboratory at Langham deals with over 3,000 chemical, bacteriological, and biological examinations per year.

The difference of hardness between the water at Langham and Layer de-la-Haye is rather striking and the reduction of hardness at the latter station is mainly attributable to the prolonged storage in the Abberton Reservoir; its contents when completely filled are 5,700 million gallons. Approximately 8 million gallons are pumped daily from the Layer works, and 10 million gallons daily from the works at Langham.

(These observations were supplied by the Company).

Copy of a Recent Analysis From The Southend Waterworks Company's Mains.

	Chemical Results in parts per Million	
Appearance	...	Clear & Bright
Turbidity (Silica Scale)	...	Nil.
Colour	...	Hazen (less than 10)
Odour	...	Nil.
Reaction pH	...	8.4 (faint alkaline)
Free Carbon Dioxide	...	Absent.
Electric Conductivity at 20°C.	...	500.
Total Solids, dried at 180°C.	...	335.
Chlorine in Chlorides	...	44.
Alkalinity as in Calcium Carbonate	...	20.
Hardness : Total	...	190
Permanent	...	20. Non-Carbonate.
Temporary	...	170 Carbonate.
Nitrogen in Nitrates	...	6.4
Nitrogen in Nitrites	...	less than 0.01
Free Ammonia	...	less than 0.060
Albuminoid Ammonia	...	0.088
Oxygen Absorbed in 4 hrs. at 27°C.	...	1.05
Residual Chlorine	...	0.03 (at time of sampling)
Metals	...	Iron less than .03
Other Metals	...	Absent

BACTERIOLOGICAL RESULTS.

Number of Colonies developing on Agar per c.c. or ml. in—

1 day at 37°C. 0

2 days at 37°C. 1

3 days at 20°C. 0

Presumptive Coliform

Reaction	...	Present in —.	Absent from 100ml.
Bact. coli	...	Present in —.	Absent from 100ml.
Cl. Welchii Reaction	...	Present in —.	Absent from 100ml.

This sample is clear and bright in appearance, faintly alkaline in reaction and free from metals. The hardness of the water and its content of mineral and saline constituents in solution are moderate. Its organic quality is satisfactory and its bacterial purity is of the highest character. The water is considered pure and wholesome in character and suitable for drinking and domestic purposes.

Broomfield Waterworks.

The use of the Broomfield Pumping station was discontinued on the 16th August, 1947. At the present time, the Ministry of Health refuses to sanction the necessary repairs. The water from the Works is of excellent quality.

RIVERS AND STREAMS.

The district is drained by the Chelmer and its tributaries. Pollution from agricultural lands is bound to occur.

DRAINAGE AND SEWERAGE.

Sewers are available in the parishes of Broomfield, Great Baddow, Ingatestone, Mountnessing, Runwell, and Writtle.

The number of houses connected to the sewers at end of 1948 was :—

<i>Parish</i>	<i>Private Houses</i>	<i>Council Houses</i>	<i>Total at end of 1948</i>
Great Baddow	2	34	489
Broomfield	—	18	1,334
Ingatestone	—	12	528
Mountnessing	—	—	142
Runwell	1	—	165
Writtle	5	12	632
TOTALS	8	76	3,290

The Engineer and Surveyor has prepared a number of Village Sewerage Schemes, which have been approved by the Council and now await the sanction of the Ministry of Health.

These Schemes are for the Villages of :—

Roxwell
Ford End
Ramsden Heath
Pleshey.

The Great and Little Waltham Sewerage Scheme, which was prepared by Messrs. Lemon and Blizard, is in course of being carried out.

PUBLIC CLEANSING.

The modified comprehensive refuse collection scheme, which was described on page 27 of last year's Report, was maintained in operation throughout the year.

The difficulty of obtaining and retaining suitable and sufficient workmen remained acute, and it must again be stressed that until permanent teams of men are built up, difficulties are bound to continue in the working of the regular collection schedules.

A further 10. cu. yard Shelvoke and Drewry vehicle (vehicle No. 5) was delivered towards the end of the year, and was utilised as a spare vehicle while the other four vehicles were each in turn taken off the road for overhaul.

Refuse Disposal.

The two controlled dumps at Broomfield and Great Baddow remained in operation throughout the year. Two full-time attendants have been employed on each dump.

Salvage.

The quantity of salvage collected by the Rural District Council and the receipts from its sale showed considerable increases during the year as compared with 1947.

The comparative figures for the two years are as follows :—

	1947	1948
Weight of waste paper re- turned to the mills ...	74 tons 16 cwts.	106 tons 14 cwts.
Receipts from sale of waste paper	£533	£787
Board of Trade bonus for in- creased waste paper col- lection	£15	£31
Receipts from sale of bones, textiles, non-ferrous metals and bottles ...	£117	£113
Total receipts ...	<hr/> £665 <hr/>	<hr/> £931 <hr/>

All receipts have been credited to the General Rate Fund.

In 1947, waste paper was returned to the mills from the Council's depot at an average rate of 6 tons 4 ewts, each month. This figure was increased to 8 tons 18 ewts. in 1948. The fourteen-year-old Shelvoke and Drewry vehicle was used exclusively for salvage collection.

General.

During the year, plans were approved for an extension to the Public Cleansing Depot. A new double garage, with adjoining foreman's office, store and workshop is to be built, and the men's mess-room is to be extended.

NIGHT SOIL COLLECTION.

Night soil collection in the following parishes is carried out by a contractor.

<i>Parish</i>	<i>Approx. No. of Houses (Including Schools)</i>
Rettendon	35
Great Waltham	99
Little Waltham	69
Woodham Ferrers	56

SANITARY INSPECTION OF THE AREA.

The table prepared by the Chief Sanitary Inspector, shows the amount of inspection work performed by the Inspectors.

Slaughterhouses. These were not in general use during the year.

Knackers Yards. There is one in the District, in the parish of Great Baddow. This is a modern building erected during 1935.

Dairies and Cowsheds. These are dealt with under the heading "Inspection and Supervision of Food."

Smoke Abatement. One complaint was received during the year regarding smoke emission by a factory in Great Baddow. A preliminary notice was served on the occupiers to abate the nuisance, and some improvement was obtained.

Camping Sites. During the year, thirty-four licences were in force under Section 269, of the Public Health Act, 1936, as compared with a total of thirty-three in force during 1947.

Many of these licences were granted to persons who would not normally reside in moveable dwellings, but owing to the acute housing shortage, have no alternative at the present time.

INSPECTIONS AND PARTICULARS OF NOTICES FOR THE YEAR, 1948.

Nature of Inspection	Total Inspection- s	Notices Out- stand- ing at end of 1947	Notices Served		Notices		
			Infur- mal	Statu- tory	Complied with	Can- celled	Out- stand- ing at end of 1948
Infectious Disease Inquiries	46	—	—	—	—	—	—
Infectious Disease Disin- fections	7	—	—	—	—	—	—
Houses Inspected under Public Health or Housing Acts	174	222	121	27	164	20	186
Houses "Carded" under Public Health or Housing Acts	44	—	—	—	—	—	—
Re-inspections under Hous- ing Acts	119	—	—	—	—	—	—
Re-inspections under Public Health Acts	534	—	—	—	—	—	—
*Overcrowding	21	3	1	—	2	—	2
*Dirty Condition of Houses	5	2	—	—	1	—	1
*Other Nuisances in Houses	91	—	—	—	—	—	—
*Water Closets	14	52	12	2	41	2	23
*Privies and Pail Closets ...	22	28	18	4	16	6	28
*House Drainage	394	137 }	73 }	32 }	147 }	7 }	88 }
*Other Drainage	96	}	}	}	}	}	}
*Water Supply	255	104	36	19	72	7	80
Re-inspections for*	214	—	—	—	—	—	—
Urinals	23	1	1	—	1	—	1
Pig-Styes	7	—	—	—	—	—	—
Animals Improperly Kept	1	—	—	—	—	—	—
Rates, Mice and Insect Pests	106	7	6	—	7	—	6
Teuts, Vans, Sheds and Similar Structures	156	—	1	—	1	—	—
Schools	2	—	—	—	—	—	—
Cowsheds and Dairies	312	63	32	—	27	13	55
Milk Retailers' Premises ...	6	—	—	—	—	—	—
Ice Cream Premises	45	—	4	—	2	—	2
Bakehouses	49	—	3	—	1	—	2
Restaurants and Cafes ...	7	—	—	—	—	—	—
Fresh and Fried Fish Shops	20	—	—	—	—	—	—
Slaughterhouses and But- chers' Shops	120	—	—	—	—	—	—
Knacker Yards	13	—	—	—	—	—	—
Other Food Preparation and Food Shops	23	2	2	—	2	—	2
Inspections under the Shops Acts	3	—	—	—	—	—	—
Hairdressing and Barbers' Premises	1	—	—	—	—	—	—
Factories:—							
(a) with Mechanical Power	65	3 }	6 }	—	6 }	—	3
(b) without Mechanical Power	70	}	}	—	}	—	—
Public Cleansing:—							
Dustbins	3	72	19	—	35	15	41
Refuse Dumps	145	—	—	—	—	—	—
Miscellaneous	610	—	—	—	—	—	—
Control of Civil Building ...	195	—	—	—	—	—	—
Miscellaneous	243	9	12	—	14	2	5
TOTALS FOR MONTH	4252	705	347	84	539	72	525

The following tables provide statistics of work done as a result of the service of Informal and/or Statutory Notices :—

	1946	1947	1948
Adequate ventilation provided to rooms	1	—	4
Ashbins provided	9	3	27
Brick footings repaired	2	—	2
Brick walls repaired or roughest	19	26	19
Chimney flues repaired	—	—	1
Chimney stacks repaired or re-pointed	12	13	22
Ceiling plasters, repaired or renewed	12	50	70
Coppers repaired or provided	4	9	7
Cupboards repaired	2	2	—
Damp-proof courses repaired	—	—	—
Dampness remedied other than by d.p.c.	10	32	84
Dirty or verminous houses cleansed ...	5	9	—
Door furniture provided	—	3	—
Doors repaired or renewed	4	18	21
Eavesgutters and downspouts repaired or renewed	11	24	32
External wall plaster repaired or renewed	13	7	36
Fireplaces, Stoves, repaired or renewed...	18	45	53
Floors repaired or re-laid	29	51	70
Foodstores provided or repaired	7	7	13
Handrails provided to staircases	7	6	12
Internal wall plaster repaired or renewed	12	63	97
Internal walls repaired	1	18	8
Lighting of rooms	1	6	7
Outbuildings repaired	1	—	1
Roofs repaired or renewed	23	44	57
Sinks provided or repaired	8	10	25
Sink waste pipes provided or renewed ...	13	14	40
Staircases provided or repaired	—	7	9
Washing accommodation provided	—	3	3
Washhouses repaired	5	4	1
Weatherboarded walls renewed or repaired	2	6	4
Window sills repaired or renewed	7	4	16
Windows or frames repaired or renewed	28	55	78
Windows re-glazed	3	19	16
Yards or paths repaired or paved	6	6	10
Miscellaneous repairs	18	43	54
Cesspools abolished	—	—	1
Cesspool covers renewed	1	2	—
Cesspool pumps repaired	1	—	—
Cesspools cleansed	6	2	4

	1946	1947	1948
Cesspools provided	—	—	—
Choked drains cleansed	8	7	6
Drainage systems altered or repaired ...	4	8	17
Drainage cut off from ditches, watercourses, etc.	8	22	38
Foul ditches cleansed	4	6	5
Foul ponds cleansed	1	—	—
Hot water boilers repaired or renewed ...	1	2	2
Houses connected to the sewer	2	4	—
Inspection covers repaired or renewed ...	2	3	—
Inspection chambers repaired	2	—	1
Main water supply provided to houses ...	24	27	46
Overflows from cesspools abolished ...	3	24	5
Pail closets converted to water closets ...	3	2	—
Pail closet structures repaired or renewed	5	5	17
Pails provided to closets	1	1	2
Privies converted to pail closets	—	1	—
Urinals repaired or provided	1	—	2
Ventilation pipes repaired	2	2	1
Water closets cleansed	—	2	1
Water closet floors repaired	—	—	—
Water closets provided	—	1	4
Water closet flushing apparatus repaired or renewed (provided 13, repaired 8) ...	5	10	21
Water closet pedestals provided	2	2	6
Water closet structures repaired or renewed	1	2	15
Yard gullies, channels, provided or repaired	1	3	10
Pumps repaired	—	1	1
Water pipes, taps repaired	2	4	6
Water tanks cleansed	—	—	—
Water tank covers provided	—	—	—
Wells cleansed, repaired or improved ...	—	2	2
Water supplies improved	1	1	—
Water butts provided	6	3	5
Well covers provided	—	1	1
Approaches to cowsheds or dairies improved	—	4	4
Buildings converted to Cowsheds	1	1	—
Cesspools provided	—	—	—
Choked drains cleansed	—	—	—
Cowsheds cleansed	—	2	—
Cowshed floors repaired	1	2	4
Cowsheds reconstructed	3	—	2
Cowshed roofs repaired	—	—	—
Cowshed walls rendered or repaired ...	6	12	23

	1946	1947	1948
Dairies cleansed	—	—	—
Dairies sealed off from cowsheds ...	—	—	—
Dairies provided	2	1	2
Dairies repaired or improved	—	—	4
Dairy entrances repaired	—	—	—
Dairy floors repaired	—	5	1
Dairy lighting improved	—	1	3
Dairy roofs repaired	—	1	1
Dairy walls rendered or repaired... ..	1	13	11
Dairy equipment provided, cleansed or repaired	1	7	6
Drainage to cowshed or dairy improved	2	3	7
Improvements to water supply	—	—	1
Lighting to cowshed or dairy improved	3	4	9
Manure accumulations removed	4	5	8
Milking stools cleansed	1	4	—
Other improvements to cowsheds or dairies	5	15	23
Stall divisions provided or repaired ...	—	8	6
Ventilation to cowsheds or dairies ...	—	—	5
Water supply provided to cowsheds or dairies	—	3	3
Miscellaneous work done	8	33	26

SWIMMING BATHS AND POOLS.

There are two privately owned swimming pools within the District which are open to the public.

Swimming Pool, The Chase, Ingatestone. This swimming pool is owned by The Chase, Ltd.

Sanitary accommodation is provided for both sexes.

May-Phill Roadhouse, Battlesbridge. The swimming pool adjoins the Roadhouse which is situated about 250 yards from the Chelmsford—Southend Road on the bank of the River Crouch.

The size of the pool is 175ft. by 45ft. 6ins., with a depth varying from 3ft. to 8ft. 6ins. and its capacity is 312,000 gallons.

Sanitary accommodation is provided for both sexes.

HOUSING.

At the end of 1948 the District Council owned 1,272 houses. The numbers for each parish are given on page 35.

During 1948, a further 169 new houses were erected, whilst 88 houses were in the course of erection at December, 1948.

Ninety Temporary Bungalows have been allotted to the District, all of which have been completed and occupied. These Temporary Bungalows are provided by the Government and the District Council is responsible for their maintenance.

In 1946, a number of hutments on Government sites in the District were acquired, and after extensive alterations, a total of 247 huts were adapted for living accommodation and were occupied. In 1947, a further 32 huts were adapted for this purpose. In 1948, another 47 huts were adapted, making a total of 326 huts on 5 separate camp sites.

Since the commencement of the post-war housing programme in 1946, a total of 649 dwellings have been provided, details of which are shown in the table on page 36.

POST WAR HOUSING PROGRAMME

PARISH	Sites acquired	No. of Houses erected and in the course of construction at 31.12.48
	Acreage	
Great Baddow (excluding Galleywood)	22.5	22
Galleywood	5.889	24
Little Baddow	0.5	4
Boreham	7.8	14
Broomfield	4.191	28
Chignall	3.7	—
Danbury	9.3	24
Good Easter	2.61	4
East Hanningfield	1.1	6
South Hanningfield	1.7	10
West Hanningfield	2.0	12
Ingatstone and Fryerning	10.6	22
Great Leighs &		
Little Leighs	6.870	9
Margaretting	3.0	—
Mashbury	—	—
Mountnessing	3.22	—
Pleshey	4.0	—
Rettendon	11.6	5
Roxwell	17.2	17
Runwell	2.0	12
Sandon	4.65	8
Springfield	4.95	26
Stock	2.2	6
Great Waltham	9.62	28
Little Waltham	5.0	8
Woodham Ferrers	7.75	4
Writtle (excluding Highwood)	6.0	28
Highwood	—	—
TOTALS	160.95	321

NOTE.—The number of houses to be built by the council is determined by allocations made by the Ministry of Health.

Council Houses.

PARISH	HOUSES ERECTED UNDER						Total
	The Housing Act, 1890	The State-aided Scheme charges being a General Rate limited to 1d. Rate	The Housing Financial Provisions) Act, 1924	The Housing Act, 1925	The Housing Act, 1930	The Housing Act, 1936 /46	
	1	2	3	4	5	6	7
Baddow, Great (s.p.a.)	—	51	57	—	—	113	221
Baddow, Great (o.s.p.a.)	—	12	16	16	—	29	73
Baddow, Little ...	6	—	8	—	—	12	26
Boreham ...	—	—	46	—	6	30	82
Broomfield ...	—	—	40	—	6	31	77
Chignal ...	—	—	8	—	—	—	8
Danbury ...	6	25	4	—	—	8	43
Good Easter ...	—	6	—	—	—	9	15
Hanningfield, East	—	—	12	—	—	12	24
Hanningfield, South	6	—	—	—	—	10	16
Hanningfield, West	—	—	4	—	—	4	8
Ingatstone and Fryerning ...	2	30	32	—	2	54	120
Great and Little Leighs. ...	—	—	16	—	—	—	16
Margaretting ...	—	6	—	—	—	12	18
Mashbury ...	—	—	—	—	—	—	—
Mountnessing ...	—	8	—	—	—	28	36
Pleshey ...	—	—	4	—	—	—	4
Rettendon ...	—	—	12	—	—	—	12
Roxwell ...	—	—	12	—	—	22	34
Runwell ...	—	—	14	—	—	12	26
Sandon ...	4	4	6	—	—	18	32
Springfield ...	—	—	—	—	—	16	16
Stock ...	—	—	10	4	—	6	20
Waltham, Great Village area) ...	—	—	20	—	—	18	38
Waltham, Great (Ford End) ...	—	—	12	—	—	4	16
Waltham, Little ...	—	—	6	—	—	8	14
Woodham Ferrers ...	—	4	24	—	—	22	50
Writtle (s.p.a.) ...	—	16	102	31	12	44	205
Writtle (o.s.p.a.) ...	—	—	12	—	—	10	22
TOTALS ...	24	162	477	51	26	532	1272

† Ingatstone Waterworks Cottages.

‡ Including 12 Cottages the cost of which was borne by the Housing Estates Repairs Fund.

* Includes 6 cottages purchased by the Council:—

1 in Great Baddow (s.p.a.).

3 in Galleywood.

2 in Ford End; and

10 Agricultural Cottages:—

West Hanningfield 4.

Writtle 4.

Ford End 2.

TABLE SHOWING THE NUMBER OF HOUSES ERECTED, IN THE COURSE OF ERECTION AND HUTS ACQUIRED FOR LIVING ACCOMMODATION BY THE RURAL DISTRICT COUNCIL DURING 1946-7 AND 1948

PARISH	Permanent Council Houses				Temporary Bungalows Completed and Occupied		Government Huts Acquired and Adapted		Private Houses	
	Completed and Occupied during		In the Course of Erection at		1946		1946-7		1946	
	1946-7	1948	Dec. 1947	Dec. 1948	1946	1947	1946-7	1948	1946	1947
Great Baddow (S.P.A.)	18	4	4	—	30	—	—	—	46	8
Great Baddow (S.P.A.)	8	16	16	—	—	—	—	—	5	4
Little Baddow ...	4	—	—	—	—	—	—	—	1	3
Boreham ...	—	12	8	2	—	—	80	—	1	1
Broomfield ...	4	22	24	2	—	20	—	—	—	—
Chignal ...	—	—	—	—	—	—	3	—	—	—
Danbury ...	—	—	8	16	—	—	1	—	2	1
Good Easter ...	—	3	—	—	—	—	—	—	—	—
East Hanningfield ...	2	4	4	1	—	—	—	—	—	—
South Hanningfield ...	—	10	8	—	—	—	—	—	10	6
West Hanningfield ...	—	—	—	12	—	—	—	—	1	—
Ingatstone & Fryerning	12	10	10	—	20	—	—	—	3	1
Great Leighs ...	—	—	—	9	—	—	104	—	—	—
Little Leighs ...	—	—	—	—	—	—	—	—	—	—
Margaretting ...	—	—	—	—	—	—	—	—	12	4
Mashbury ...	—	—	—	—	—	—	—	—	—	—
Mountnessing ...	—	—	—	—	—	—	—	—	1	—
Pleshey ...	—	—	—	—	—	—	—	—	1	—
Rettendon ...	—	—	—	5	—	—	—	—	3	—
Roxwell ...	—	8	8	9	—	—	—	—	—	—
Runwell ...	—	12	12	—	—	—	45	—	7	6
Sandon ...	—	8	8	—	—	—	—	—	6	4
Springfield ...	—	4	26	22	—	—	—	—	—	—
Stoek ...	—	6	—	—	—	—	—	—	3	2
Great Waltham ...	2	16	12	10	—	—	—	—	1	—
Little Waltham ...	—	8	8	—	—	—	—	—	1	—
Woodham Ferrers ...	2	2	2	—	—	—	46	10	1	—
Writtle (S.P.A.) ...	12	16	16	—	20	—	—	—	4	4
Writtle (O.S.P.A.) ...	—	—	—	—	—	—	—	—	9	—
TOTALS ...	64	169	174	88	70	20	279	47	117	48
										30(6)

NOTE.—Figures in parenthesis denote war damage rebuilds.

TABLE SHEWING POPULATION AND NUMBER OF HOUSES AT CENSUS 1931, ESTIMATED POPULATION 1948 AND THE NUMBER OF HOUSES AT THE END OF DECEMBER, 1948

PARISH	Area in statute acres (land and inland water)	Census, 1931		Estimated Population at end of 1948	Number of Houses and Hutments at end of 1948
		Population	Houses		
Baddow, Great	3805	3652	962	6675	*1906
Baddow, Little	2755	751	198	1041	297
Boreham	3802	1078	269	1497	427
Broomfield	1851	1310	433	1934	552
Chignal	2303	350	104	442	126
Danbury	3495	1807	475	2718	773
Good Easter	1988	403	103	421	120
Hanningfield, East	2519	500	117	439	125
Hanningfield, South	4946	1071	72	1500	428
Hanningfield, West	3105	521	135	712	203
Ingatstone & Fryerning	4133	2352	620	2617	747
Leighs, Great	3197	728	194	1191	340
Leighs, Little	1079	158	52	236	67
Margaretting	2284	638	162	715	204
Mashbury	898	143	41	148	42
Mountnessing	2793	749	438	950	271
Pleshey	732	272	75	278	97
Rettendon	3652	794	200	1100	314
Roxwell	4782	774	194	1058	302
Runwell	2070	678	190	1272	363
Sandon	2377	618	150	869	248
Springfield	1827	388	116	523	149
Stock	3474	976	185	1247	356
Waltham, Great	7010	1941	542	2046	584
Waltham, Little	2586	720	190	1149	328
Woodham Ferrers	4753	1353	391	2316	661
Writtle	8374	3111	831	3646	†1041
TOTALS	86590	27836	7439	38740	11053

* In Great Baddow s.p.a. 1517. † In Writtle s.p.a. 816.

Transfer from Runwell to Rettendon from 1/10/48 (53 houses) County of Essex (Alteration of parish boundaries) Order, 1948.

Hutments taken over by the R.D.C. and included in the above total are:—

Boreham (Boreham Aerodrome)	80
Chignal (Bedells Cross)	3
Great Leighs (Boreham Aerodrome)	104
Roxwell (Boyton Cross Military Camp)	34
(Roxwell Labour Camp)	11
Little Waltham (Boreham Aerodrome)	56
Danbury (Giberacks)	38
TOTAL	326

The following tabular statement gives details of the housing work carried out during the year.

1. <i>Inspection of Dwelling Houses during the year :—</i>	
(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	218 174
(b) Number of Inspections made for the purpose	871
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	44
(b) Number of Inspections made for the purpose	119
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	15
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	154
2. <i>Remedy of Defects during the year without Service of Formal Notices :—</i>	
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	129
3. <i>Action under Statutory Powers during the year :—</i>	
Proceedings under Public Health Acts.	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	20
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
By Owners	28
—Proceedings under Sections 11 and 13 of the Housing Act, 1936.	
(1) Number of dwelling-houses in respect of which Demolition Orders were made	13
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders :—	
By Owners	7

Clearance Area 12 : Two cottages, near "The Windmill," South Hanningfield. These two cottages were demolished during the year.

INSPECTION AND SUPERVISION OF FOOD

Milk Supply.

There are 230 registered eowsheds and dairies in the District in which milk is produued for sale, a large proportion of which are liensed for the production of Designated Milks by the Essex County Council. In addition, there are 21 dairies used by persons who retail milk purchased from other produceers, and 20 persons who are registered to retail milk within the district, with premises outside the district. These premises have been regularly inspeeted and details of works which have been carried out as a result of requests from your Chief Sanitary Inspeector's Department in order to improve such premises are shown in the tables on pages 30 and 32.

26 lieenees were granted under the Milk (Special Designations) Regulations 1936/46.

Meat and Other Foods.

All animals are at present slaughtered in slaughterhouses outside the District. Meat exposed for sale or deposited for manufacture in premises within the distriet is regularly inspeeted.

The following were condemned as unfit for human eonsumption :—

1 tin of Apples, 1 tin of Apricots, $2\frac{3}{4}$ lbs. of Bacon, 3 tins of Baked Beans, 23 packets of Barley Pudding Mixture, 7 tins of Beetroot, 1 tin of Boneless Chicken, 3 tins of Carrots, 28 paeket Cheeses, 3 tins of Cod Liver Ro~~x~~e Paste, 212 lbs. of Coarse Oats, 9 tins of Condensed Milk, 93 6 lb. tins of Corned Beef, 34 12 oz. tins of Corned Beef, 1 tin of Damsons, 78 tins of Evaporated Milk, 1 tin of Fruit Coektails, 10 tins of Grapefruit, 1 tin of Grapefruit Juice, 1 tin of Irish Stew, 2 tins of Jam, 28 lbs. of Kippers, 1 bottle of Lemon Drink, 2 tins of Macedoine, 5 tins of Mandarin Oranges, 22 tins of Marmalade, 2 lbs. of Marmalade, 1 bottle of Marmite, 604 lbs. of Meat, 2 tins of Meat Lunch, 6 tins of Mineed Loaf, 3 tins of Mineemeat, 1 tin of Grapefruit Juice, 21 tins of Orange Juice, 2 tins of Peaches, 6 tins of Pears, 27 tins of Peas, 5 jars of Piekled Onions, 6 tins of Pilehards, 1 tin of Pineapple, 12 tins of Plums, 1 tin of Pork Luncheon Meat, 6 lbs. of Potatoes, 1 tin of Prunes, 2 jars of Red Cabbage, 72 lbs. of Rolled Oats, 1 tin of Sardines, 1 tin of Sausages, 5 tins of Silver Hake, 12 tins of Soup, 5 tins of Spaghetti, 2 tins of Steak and Kidney Pudding, 4 tins of Stewed Steak, 3 lbs. of Sweets, 416 lbs. of Tomatoes, 1 tin of Veal Loaf.

TOWN PLANNING

By agreement, several Local Authorities in the Mid-Essex area, including Chelmsford Rural District Council, delegated their powers in connection with the preparation of Town Planning Schemes to the Mid-Essex Regional Planning Committee, and the agreement came into force on 1st April, 1933.

PREVALENCE AND CONTROL OVER INFECTIOUS DISEASES

Infectious Diseases Generally

There were 623 cases of infectious diseases (exclusive of Tuberculosis) notified during the year as compared with 222 for the previous year, the increase being due to outbreaks of measles and whooping cough.

Apart from cases of measles and whooping cough, there were 27 cases of infectious diseases notified compared with 42 in the previous year. Further details of the incidence of notifiable infectious diseases classified according to age and locality is given in the tables on pages 41 and 43.

A number of persons who may have been in contact with smallpox came into the District but fortunately no case occurred ~~during the year.~~

TABLE SHOWING LOCAL DISTRIBUTION OF CASES
NOTIFIED DURING THE YEAR.

PARISH	Catarrhal Jaundice	Dysentery	Erysipelas	Food Poisoning	Measles	Meningococcal Septicæmia	Pneumonia	Scarlet Fever	Whooping Cough	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Totals
Great Baddow	—	—	—	—	132	—	1	1	38	2	2	176
Little Baddow	—	—	—	—	9	—	1	—	9	—	—	19
Boreham	—	1	—	—	38	1	1	2	4	—	—	47
Broomfield	—	—	—	—	21	—	1	1	6	2	—	31
Chignal	—	—	—	—	1	—	—	—	—	—	—	1
Daubury	—	—	—	—	35	—	—	—	46	1	1	83
Good Easter	—	—	—	—	1	—	—	—	—	—	—	1
East Hanningfield	—	—	—	—	1	—	—	—	4	—	—	5
South Hanningfield	—	—	—	—	—	—	—	2	2	1	—	5
West Hanningfield	1	—	—	—	2	—	—	—	18	1	—	21
Ingatstone & Fryerning	—	—	—	—	2	—	—	—	22	2	—	27
Great Leighs	—	—	—	—	6	—	—	—	—	—	—	6
Little Leighs	—	—	—	—	2	—	—	—	—	—	—	2
Margaretting	—	—	—	—	2	—	—	—	—	1	—	3
Mashbury	—	—	1	—	—	—	—	—	—	—	—	—
Mountnessing	—	—	—	—	—	—	—	—	4	—	—	5
Pleshey	—	—	1	—	13	—	—	1	7	—	—	7
Rettendon	—	—	—	—	2	—	—	—	3	—	—	18
Roxwell	—	—	—	—	2	—	—	7	1	—	—	3
Runwell	—	—	—	—	25	—	1	—	14	6	1	31
Sandon	—	—	—	—	6	—	—	—	14	—	—	39
Springfield	—	—	—	—	3	—	—	—	—	2	—	6
Stock	—	—	—	—	3	—	—	2	4	2	—	11
Great Waltham	—	—	—	—	3	—	—	—	12	2	—	17
Little Waltham	—	—	—	—	25	—	—	—	2	2	—	7
Woodham Ferrers	—	—	—	—	18	—	—	—	19	1	—	45
Writtle	—	1	—	1	—	—	—	—	15	2	5	41
TOTALS ...	1	1	2	1	352	1	5	16	244	25	9	657

The immunisation of children against diphtheria was continued during the year. The prophylactic used throughout was A.P.T.

The immunisation is continuing and it is hoped that parents will take more advantage of the facilities provided for protecting their children against such a serious disease as Diphtheria.

It is satisfactory to note that no case of Diphtheria occurred during the year.

Much assistance in connection with diphtheria immunisation was given by the Health Visitors and Teachers, but even with this co-operation it is unfortunate that the number of parents availing themselves of the service had declined slightly. Detailed particulars of the position at 30th June 1948 is shown in the tables on pages 44 and 45.

Scabies. During the year cases were treated at St. John's Hospital in addition to those treated at home.

TUBERCULOSIS.

The following table gives particulars of new cases of Tuberculosis and deaths during the year.

Age Periods	*New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1—5 ...	—	—	2	—	—	—	—	—
5—10 ...	—	—	—	—	—	—	—	—
10—15 ...	—	—	2	—	—	—	—	—
15—20 ...	2	1	1	—	—	—	—	—
20—25 ...	2	2	—	—	—	—	—	—
25—35 ...	5	1	2	—	2	—	1	—
35—45 ...	2	1	1	1	1	—	—	—
45—55 ...	4	—	—	—	1	—	—	—
55—65 ...	3	2	—	—	1	1	—	—
65 & over ...	—	—	—	—	—	—	—	—
TOTALS ...	18	7	8	1	5	1	1	—

*Not including cases of tuberculosis removed into the district during the year, which had been previously notified elsewhere.

NOTIFIABLE DISEASES DURING THE YEAR.

Notifiable Disease	Total Cases Notified	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over	Cases admitted to Hospital	Total Deaths
Catarrhal Jaundice ...	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—
Dysentery ...	1	—	—	—	—	1	—	—	—	—	—	—	—	1	—
Erysipelas ...	2	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Food Poisoning ...	1	—	—	—	—	—	—	—	—	—	1	—	—	1	—
Measles ...	352	7	30	28	39	43	180	17	1	1	5	1	—	8	—
Meningococcal Septaemia	1	—	—	—	1	—	—	—	—	—	—	—	—	1	—
Pneumonia ...	5	—	—	—	—	—	2	1	—	—	1	—	1	1	—
Scarlet Fever ...	16	—	2	—	—	1	8	3	1	—	1	—	—	8	—
Whooping Cough ...	244	19	21	29	30	43	94	3	1	3	—	—	1	5	—
TOTALS ...	623	26	53	57	70	88	284	24	4	4	9	2	2	25	—

Diphtheria immunisation in relation to child population.

	Number of children who had completed a full course of immunisation at any time up to 30th June, 1948.						
	Under 1 1948	1 1947	2 1946	3 1945	4 1944	5 to 9 1939-1943	10-14 1934-1938
Age at 31.12.48 <i>i.e.</i> Born in year ...							Total Under 15
Number immunised ...	11	125	301	309	314	2,095	1,937
Number of births during year ...	726	770	693	693	586	2,677	2,266
Estimated mid-year popu- lation, 1948 ...	3,269						4,801
Percentage of children immunised ...	32%						83%
							63%

DIPHTHERIA NOTIFICATIONS AND DEATHS IN RELATION TO IMMUNISATION

NOTIFICATIONS			DEATHS		
Age at date of Notification	Number of Cases Notified	Number of cases included in preceding column in which the child had completed a full course of immunisation	Age at date Death	Number of Deaths	Number of cases included in preceding column in which the child had completed a full course of immunisation
Under 1	—	—	Under 1	—	—
1	—	—	1	—	—
2	—	—	2	—	—
3	—	—	3	—	—
4	—	—	4	—	—
5 to 9	—	—	5 to 9	—	—
10 to 14	—	—	10 to 14	—	—
Totals	Nil	Nil	Totals	Nil	Nil

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—INSPECTIONS for the purpose of provisions as to health.
Including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspection	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	80	70	7	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	85	65	1	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	—	1	—	—
TOTAL	165	136	8	—

2.—CASES IN WHICH DEFECTS WERE FOUND.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	by H.M. Inspector	
Want of Cleanliness (S.1.)	—	—	—	—	—
Overcrowding (S.2.) ...	—	—	—	—	—
Unreasonable Temperature (S.3)	—	—	—	—	—
Inadequate Ventilation (S.4.)	—	—	—	—	—
Ineffective Drainage of Floors (S.6.)	—	—	—	—	—
Sanitary { Insufficient ...	—	—	—	2	—
Conveni- { Unsuitable or	8	—	—	—	—
ences { Defective ...	—	—	—	—	—
(S.7.) { Not separate	—	—	—	—	—
for sexes ...	—	—	—	—	—
Other Offences against the Act (not including offences relating to outwork) ...	—	—	—	—	—
TOTAL	8	—	—	2	—

OUTWORK

Nature of Work (1)	Section 110			Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecutions for failure to supply lists (4)	No. of instances of work in unwholesome premises (5)	Notices served (6)	Prosecutions (7)
Wearing apparel—Making, etc. ...	4	—	—	—	—	—
Feather sorting ...	4	—	—	—	—	—
TOTAL ...	8	—	—	—	—	—

PETROLEUM LICENCES IN FORCE DURING 1948

Name of Licensee	Parish	Storage in Gallons
Carters (Great Baddow) Ltd. ...	Great Baddow	500
E.C.C. (Weights & Measures Dept.)	" "	500
Jackson, W.A.	" "	1,800
Marven, D. & Co.	" "	300
National Parcels & Goods Services	" "	500
Rand Bros., Ltd.	" "	1,000
Shipp, J. H.	" "	1,000
Taylor, W. L.	" "	500
Thomas & Evans Ltd.	" "	500
Waskett, W. A.	" "	1,000
English Timber Supply Co. (Essex) Ltd.	Little Baddow	500
Co-Partnership Farms Ltd. ...	Boreham	500
Graham, J.	"	2,000
Hodgkin & Marshall, Ltd. ...	"	250
Mouser, J. J.	"	500
Seabrook & Sons, W. Ltd. ...	"	300
Seabrook & Sons, W. Ltd. ...	"	300
Day, J.	Broomfield	3,000
Harris, W.	"	300
Stacey, S. C.	"	250
Stubbings, C.	"	500
Stubbings, W. J.	"	300
Ashdown, F. H.	Danbury	1,000
Baxter, G. L. Ltd.	"	500
Christmas, W. T.	"	500
Clark, A.	"	250
Doe, P.	"	500
Morse, M. R.	"	1,000
Tuker, G. E.	"	500
Upson, E. S.	"	250
Vale, G.	"	1,300
Wakefield, H.	"	300
Marriage, L.	Good Easter	500
Matthews, Mrs. E. G.	"	500
Matthews, J. A.	"	250
Milbank, E. G.	"	1,000
Ruckert, J. E.	"	200
Speller, E. H.	"	100
Gordon, S.	East Hanningfield	100
Pudney, J. B.	" "	500
Jones, O. E.	South Hanningfield	1,000
Watts, E. E.	" "	1,000
Warder, G. W. C.	" "	500
Gaymer, R. C.	Ingatestone	500
Green, T.	"	500
Hasler & Co. Ltd.	"	1,000
Hawkes, J. W.	"	2,200
Moy, T. Ltd.	"	500
Pudney, W. & A.	"	500
Westle, J. E.	"	1,500
Lagden, H.	Great Leighs	600
Seabrook & Sons, W. Ltd. ...	"	300
Carried forward		35,650

Name of Licensee	Parish	Storage in Gallons
	Brought forward ...	35,650
Neild, W. C.	Great Leighs	250
Sidgwick, J. E.	" "	400
Whitworth, J.	" "	400
Wright, J. S.	" "	250
Seabrook, W. & Sons, Ltd. ...	Little Leighs	300
Farrow, C. A. R.	Margaretting	1,500
Leech, N. H.	" "	500
Magness, J. R. & Sons, Ltd. ...	" "	500
Matthews, J.	Mashbury	250
Cotton, J. R.	Mountnessing	500
Eniffer, F. C.	" "	2,300
Kean, G.	" "	500
King, A. & Son	" "	1,500
Knight, H. G.	Pleshey	300
Bevan, A. W.	Rettendon	500
Bright, W. A.	" "	1,000
Broadway, F. W. G.	" "	1,000
Cooper, W.	" "	1,500
Duncan, J. N.	" "	400
Smith, G. W.	" "	500
Day, S.	Roxwell	1,000
Boyton Hall Farms, Ltd.	" "	500
Torrance, M.	" "	500
Runwell Hospital	Runwell	500
Warren, A.	" "	1,000
Barr, J.	Sandon	2,500
Sandon Egg Farms Ltd.	" "	500
Magness, J. R. & Sons, Ltd. ...	Springfield	300
Hilder, T. M.	Stock	500
Lyster, L. C.	" "	250
Sargant, W. H.	" "	1,500
Bartrupt, C. & Son	Great Waltham	500
Bartrupt, L.	" "	500
Cass, J.	" "	250
Readhead, H.	" "	1,300
Rogers, F. & Sons	" "	500
Rowe, J. O.	" "	200
Seabrook, E.	" "	500
Sterling Poultry Products, Ltd. ...	" "	300
Amos, E. W.	Little Waltham	400
Day, A.	" "	1,000
Smith, S. C.	" "	2,500
Poulton, W. W.	" "	500
Cribbs, G.	Woodham Ferrers	1,500
Rush, W. A.	" "	2,000
Slater, R. H.	" "	1,500
Swan, M. G.	" "	250
Adams, W. H.	Writtle	1,000
Bucknell, J. N.	" "	250
Hodge, J.	" "	500
Lowe, A. A.	" "	500
Mallett, E. B.	" "	500
Pudney, W. T.	" "	500
Preston, H. S. H.	" "	1,000
Richardson, J. H.	" "	1,000
Grand Total ...		77,900

Total number of Licences in force in 1944							...	54
" " " " " " " 1945							...	87
" " " " " " " 1946							...	85
" " " " " " " 1947							...	93
" " " " " " " 1948							...	107
Total Storage for 1944							...	40,000
" " " " 1945							...	59,500
" " " " 1946							...	65,250
" " " " 1947							...	71,000
" " " " 1948							...	77,900

Storage of cellulose under licence in respect of three premises was also granted during the year.

RURAL DISTRICT OF CHELMSFORD~

Scale: 3 miles to one inch

AREA:

86,590 acres



